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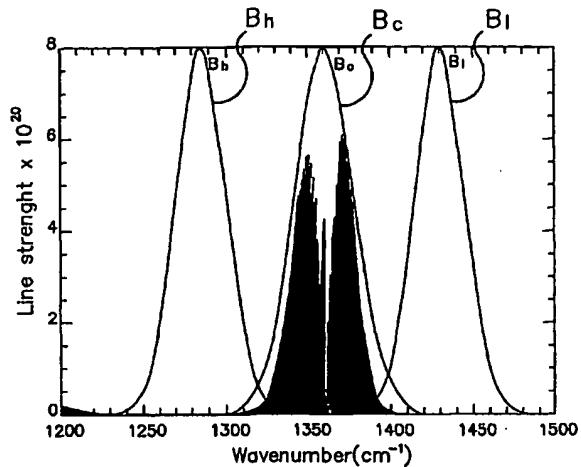
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(54) Title: SULPHUR DIOXIDE DETECTION METHOD



WO 2005/068977 A1

(57) Abstract: There is disclosed a method of detecting sulphur dioxide clouds. The method comprises measuring infrared radiation at a viewing elevation at or above the horizon and at a key wavelength at which there is a sulphur dioxide feature and in the vicinity of which there is a region where the amount of infrared radiation from water vapour in the atmosphere varies in accordance with a predetermined relationship, measuring radiation at two or more subsidiary wavelengths in said region, determining the amount of radiation from water vapour at the key wavelength from the measured radiation at the subsidiary wavelengths using the predetermined relationship, and determining whether a sulphur dioxide cloud is present from the measured infrared radiation at the key wavelength and the determined amount of radiation from water vapour.